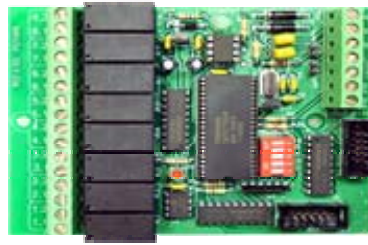


Systems, Controls & Instruments (UK) Ltd.



Condensed Catalogue

HVAC: Controls - Control Systems - Communicating Control Systems.

Index of Stand-Alone Products

Description	Page
230 Vac Thermostats & Temperature Controllers: Series: CB24HC, EP2...4, ERT 50... 90..., ERT200..., FMH220..., FMH220FAN COIL SUPER.	1 & 2
230 Vac/ 12 Vdc Temperature Controllers with Remote Powerboards. Series: EP4/12..., FMH/12..., ETN/12..., ERT500..., ERT2000...	3
24 & 230 Vac Thermistor Temperature / Analogue (0-10Vdc) Input, Multi-Stage Output Controllers: Series: ERT/MP..., ERT2200..., M6000/T/AN	4
24 Vac Thermostats & Temperature Controllers – (options such as Infra-Red etc) Series: ETN24SUPER..., FMH24..., ERT24SUPER..., TED24A...	5
24 Vac Thermostats & Temperature Controllers with Weekly Time Prog.– (options such as Infra-Red etc) Series: CTR24SUPER..., ETN24SUPER-PROG..., ERT2124...,	6
230 Vac Electro- Mechanical Thermostats: Applications: Room, Duct, Pipeline, Outside Air, Frost & High Current O.E.M.	7& 8
24 Vac Proportional Output (0-10Vdc,PWM & 3-wire) P/PI Controllers for Fan-Coil & HVAC Applications Series: ETN12P/PM., ETN24/P/PM., FMH12P/PM, FMH24P/PM, ERT24P/PM, PS24.. & PS50..	9
24 Vac & 220 Vac USA Style Temperature, Display Controllers Series: FMT24.., FMT24PROG., FMT220., FMTZ., FMT1700/1800., FMT2500.. & FMTAZC.,	10
Control Valves & Actuators or Fan-Coil & HVAC Applications	11
Combined Humidity & Temperature Controllers & Transmitters Series: CHU24SUPER..., GHU..., ERHU..., M5000...	12
Air Quality Controllers & Transmitters. Series: FSC-6..., GAQ/12 & 24..., GAQ/R..., GAQ/D..., GC02/R... & GC02/D.,	13
Water-Side, Flow & Pressure Controls & Transmitters etc.	14
Air-Side, Pressure Controllers, Transmitters, Guages & Speed Controllers.	15
Frig.-Side, System Controls & Valves.	16
Thyristor Heater Controls & Electric Heater Panels: Series: MAC..., M...	17
Sensors & Accessories	18
Additional Information – Includes Real-Time Demonstration for Series CEM voice Controller	19
Universal A/C & HVAC System Analyzer Instrument	20
Alphabetical Index of Products	21

Details of all products are available from our office or Website www.sciuk.co.uk

Series FMH Attractive Flush Mounting Room or Panel Display Thermostats / Controllers

- Range; 10 - 30°C. • Remote Sensor Option • Accuracy: +/- 1 °C.
- Electrical Switch Ratings@ 230 V ac; Fan 3A,



Series FMH22...

Model	No. Clg. Stgs	No. Htg. Stgs		Diffs. °C	Dead Band °C	No. Fan Speeds	Modes / Displayed	Remote Sensor
		Heat Pump	Res. Htg					
FMH220C1	1	-	1	0.6	1/1.5	1	On / Off, Temp. Adj. Modes: Heat, Cool, Fan Only Auto Heat - Cool	x
FMH220HC11/3	1	-	1			3		
FMH220HC22/1	2	-	2			1		
FMH220HP21	1	1	1			3		
FMH220HP32	2	2	1			1		

Dimensions Controller (overall with bezel fitted) 120 x 80 x 55 mm. Mtg. Boxes 104 x 68 x 50 mm.

Options: Infra-Red: /IR Transmitter IRT03 GW24203: Masonry mounting back box.

Remote Sensors – See page 18 for full details

Series FMH Fan Coil Super2 Flush Mounting , Fan Coil or Room Display Controller

This universal Fan Coil Controller can, utilising “On-Board” dip switches, be configured for various fan coil applications & also incorporates some unique functions:

- 4 Pipe System • 2 Pipe System (complete with c/o sensor) • Fan Cycling Only System.
- For 2 pipe applications, centralised mode change (heat to cool & vice-versa) of either single or multiple controllers on a system can be affected by use of a simple independent selection switch.
- Set point Limits – Password Protected • All adjustments lockable, • Offset Adjustment
- Daily Timer • Constant Fan Speed or Auto Fan • Infra- Red Option
- Range; 10 - 30°C. • Remote Sensor Option • Accuracy: +/- 1 °C.
- Electrical Switch Ratings@ 230 V ac; Fan 3A,



Series FMH220FCSUPER2

Model	No. Clg. Stgs	No. Htg. Stgs		Diffs. °C	Dead Band °C	No. Fan Speed	Modes / Displayed	Remote Sensor
		Heat Pump	Res. Htg					
FMHFCSUPER2	1	1	1	0.6	1 / 1.5	1 / 3	On / Off, Temp. Adj. Heat, Cool, Fan Only Auto Heat Cool	x

Dimensions Controller (overall with bezel fitted) 120 x 80 x 55 mm. Mtg. Boxes 104 x 68 x 50 mm.

Options: Infra-Red: /IR Transmitter IRT03 GW24203: Masonry mounting back box.

Remote Temp. sensor: See page 18 for full details.

Series EP2..6 230V ac Room Staging Thermostats / Room Controllers

- Range; 10 - 30°C. • Indicating. Led's. • Remote Sensor Option
- Electrical Switch Ratings@ 230 V ac; Fan 3A, Comp. 1 A, Res. Htg. 1 A, Heat.pump 0.5A.



Series EP2/4/6..

Model	No. Clg Stgs.	No. Htg. Stgs..	Heat Cool		Diff °C	Dead-Band °C	No. Fan Speeds	Select Switches
			Mode Select					1 = On / Off ;
			Man.	Auto				2 = Heat/Cool 3 = Hi/Med/Lo
EP2	output	switch	x	-	+/- 0.5	-	3	1 - 3
EP2/SW	selects	heat or	x	-		-		1 2 3
EP2/SW/A	cool	action	x	-		-		1 2 3
EP4	1	1	-	x		1.0/1.5		1 - 3
EP6	1	2	-	x		Adjust.		1 - 3

Options; Patress WP1

See page 18 for details of remote sensors available

Dimensions; 125 x 75 x 30 mm.

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail; info@sciuk.co.uk, Web-site: www.sciuk.co.uk

Series ERT50...90 230Vac Room Staging Thermostats / Controllers (with integral time delay)

- Range; 10 - 30°C. • Time Delay on Clg; 4 mins. • Indicating. Led's. • Remote Sensor Option
- Electrical Switch Ratings@ 230 V ac; Fan 3A, Comp. 1 A, Res. Htg. 1A, Heat.pump 0.5A.



Series ERT50...90

Model	No. Clg. Stgs	No. Htg. Stgs		Heat Cool		Diff/ °C	Dead-Band °C	No. Fan Speeds	Select Switches 1 =On /Off ; 2 = Heat/Cool 3 =Hi/Med/Lo
		Heat Pump	Res. Htg	Mode Man.	Select Auto				
ERT50	1	1	-	x	-	+/- 0.5	-	3	1 2 3
ERT51	1	-	1	x	-		-	3	
ERT60	1	1	-	x	-		-	3	1 2 3 +Auto
ERT61	1	-	1	x	-		-	3	
ERT70	1	1	-	-	x		-	3	1 2 3
ERT71	1	-	1	-	x		-	3	
ERT80	1	1	-	-	x		-	1	1
ERT80H	1	1	1	-	x		-	1	1
ERT81	1	-	1	-	x		+/-	1	1
ERT90	2	2	-	-	x		1.0	1	1
ERT91	2	-	2	-	x			1	1

Options; Patress WP1

See page 18 for details of remote sensors available

Dimensions 125 x 75 x 30 mm.

Series ERT200 230 Vac Display Room Staging Thermostats / Controllers

- Range: 10 - 30°C • LCD indicating; Mode-Ambient Temp.- Set point Temp. - Fan Speed – On/Off.
- Adjustment Buttons for; On/ Off – Mode – Fan Speed – Set Point Temp. – Timer option.
- Electrical Switching Ratings @ 230 Vac; Fan 3A, Comp. 1A, Res. Htg. 1A, Heatpump 1A.



Series ERT200...

Model	No. Clg. Stgs	No. Htg. Heat Pump	Stgs Res. Htg	Diff/ °C	Dead-Band °C	No. Fan Speeds	Selections
ERT200	1	1	-	+/- 0.5	+/-1.0	3	On / Off Heat Mode Auto Heat / Cool Mode Fan High Fan Med. Fan Low (Timer – Option)
ERT200/2	2	2	-			3	
ERT200/4	4	4	-			3	
ERT200/H1	1	-	1			3	
ERT200/H2	2	-	2			3	
ERT200/H4	1	-	4			2	
ERT200/1H1	1	1	1			3	
ERT200/2H2	2	2	2			2	

Options; Temp. set limits, IRR remote Infra red control , Patress WP2, Dimensions 83 x 144 x 30 mm
Remote Sensors See Page 18 for full details,

Series CTB24 - Battery Operated Display, Programmable Thermostat

This does not require a neutral and as such can be used as a more accurate, electronic thermostat, replacement for an existing electro-mechanical thermostat without the need for additional wiring.

- Range: 10 - 30°C • LCD indicating; Mode-Ambient Temp.- Set point Temp. - Fan Speed – On/Off.
- Adjustment Buttons for; On/ Off – Mode – Set Point Temp. – Auto fan - Clock - Programme.
- Electrical Switching Ratings @ 230 Vac; Fan 3A, Comp. 1A, Res. Htg. 1A, Heatpump 1A.
- Programme: Mon. to Fri. + Sat. + Sun. – 2 x Start /Stop period's per. day.

Model	Clg. Stgs.	Htg. Stgs.	Diff/ °C	Dead-Band °C	Selections
CBT24_HC11	1	1	1..2	1..2	ON/Off, Clock, Prog. Mode, Fan

Options; Remote Sensors See Page 18 for full details, Patress WP2, Dimensions 83 x 144 x 30 mm



Series CBT24-HC

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.
Tel / Fax: +44 (0) 1932 875227 & 5, E mail; info@sciuk.co.uk, Web-site: www.sciuk.co.uk

Series; FMH10, ETN1000, ERT2000, 230 Vac/12 Vdc Controls

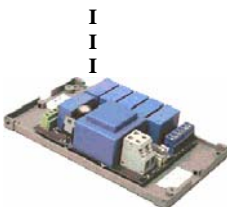
All these operate on the same principle of a **Room Unit** (12 V dc) connected to a **PS... Power Switch Unit** (230 V ac) which when mounted close to, or within an A/C, Heat pump or terminal unit can switch 230 Vac relay outputs (rated 10 A resistive, 2 A ind.) for control purposes.

This offers the following advantages:

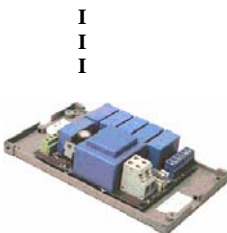
- **User Safety:** 12 V dc only present on room unit.
- **Lower Installation costs;** - minimal power wiring.

The main differences are detailed in the table below but broadly are as follows;

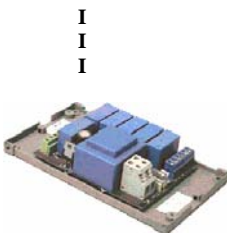
- **FMH100:** Display / Flush Mtg. Non Programmable:
- **ETN1000:** Display / Surface Mtg. Non Programmable & Programmable
- **ERT2000:** Programmable with Hum, Air Quality, Infra-Red & 0-10Vdc Output Options.



FMH.../PS...



ETN.../PS...



ERT200.../PS...

Series	FMH12/ETN12	ERT2000
--------	-------------	---------

Features

Display	LCD Standard	LCD Standard
Time Delay -Clg	Std. - Selectable	Std Selectable
Selection; Switches/Buttons	On/Off; Mode Fan Speed Timer – option Economy Mode	On/Off; Mode Fan Speed Clock: Program
Time Programme.	Various - Optional	Mon-Fri +Sat+Sun

Inputs - PS... Unit

Int./Rem. Sensor	Std	Std
Defrost Sensors	Indoor/Outdoor	Indoor/Outdoor
Humidity Sensor	Optional	Optional
Air Quality Sensor	Optional	Optional
Infra-Red Receiver	Optional	Optional
Window Contact	Optional	-

Outputs – PS... Unit

No. Clg. Stgs.	Up to 2	Up to 4
No. Heat pmp Stgs	Up to 3	Up to 4
No. Res. Heat Stgs	Up to 3	Up to 4
No. 0-10V dc O/Ps	Optional	Optional
No. 3 - Point O/Ps	Optional	Optional
No. Indoor Fans	3	Up to 3
12 V dc Multi core	Std	Std

Dims: ETN... 92 x 80 x 23 mm

FMH... 120 x 80 x 55 mm

ERT... 83 x 144 x 30 mm

Options: Remote Temp. Sensors / Accessories: See page 18.

For fuller options / information & technical details, incld. wiring diagrams contact office or visit our Web site www.sciuk.co.uk



Series M6000

Series M6000. Multi - Stage Display Temperature/Analogue Controller;

This controller accepts a temperature thermistor input and a 0 – 10 Vdc input from any transducible medium i.e. air, water, refrigerant, liquids etc. These inputs can be applied singly or in combination to the 6 switched outputs. The individual level, differential and heat or cool mode of these 6 individual outputs can be set totally independently of the other 5 outputs.

- **Range;** 0- 60°C • **Outputs;** Independently programmable • **0-10Vdc;** Input Signal Option.
- **Calibration of 0-10 Vdc Signal;** in any engineering units in display (default 0-100) e.g. Bar, psi, etc.
- **Time Delays;** for system start-up & function • **230Vac/12 Vdc & 24 Vac** models.

Model	Range °C	No. outputs	Inputs		Switch Ratings		Power Board
			Therm.	0-10 Vdc	Amp@ 24Vac	Amp@ 230Vac	
M6000/T/AN12	0 - 60	6	x	x	-	10(2)	PS102
M6000/24/T/TAN	0 - 60	6	x	x	2	-	-

Options; Remote Temp. sensors – See page 18 Dimensions; Room unit 83 x 144 x 30 mm. PS102 90 x 145 x40 mm



Series ERT/MP

Series ERT/MP... Multi – Stage Electronic Thermostat; up to 8 Stages

- **Dual Temp. Ranges;** -10/40 & 30/90°C • **Dual Voltage;** 24 Vac & 230 Vac • **Time Delay;** 0-120 sec.
- **Setpoint Adj.;** On-board or remote. • **Dead band;** Automatically selected using on-board dip switches.
- **NTC Sensors;** Full range of sensors – see below. • **Led Indication;** for output relays.

Model	Ranges	Dead band	Diff.	Elect. Ratings	Time Delay	Dimensions		
	°C	°C	°C	(Amp @230 Vac)		mm.		
ERT/MP2	-10 / 40	0.3 / 4.0	Stg. 0.3 / 6.0	10(3)	0 -120 Secs.	145 x 75 x 40		
ERT/MP4	&		I/ Stg 0.3/2.0			145 x 75 x 40		
ERT/MP8	30 / 90					180 x 75 x 40		

IP54 Enclosure for above - Contact office for details

Options; Remote Temp. sensors – See page 18



Series ERT2200/DAI
+
PS102DAI

Series ERT2200/DAI – PS102/DAI. Multi-Stage Controller with Integral Weekly Programme

- **Temp. Range:** 10/40°C • **Frost Protection function** • **S.p.d.t. Volt-Free:** Output Relays
- **Manual Over-ride Function.**
- **Weekly Programme:** Mon. To Fri. + Sat. + Sun. 2 x Start-Stops per. 24 hrs.

Model	Range °C	No of Stages	Stage Diff. °C	Inter-Stage Diff. °C	Frost. Prot Adj. °C	Elect. Ratings (Amp @ 230 Vac)
ERT2200/DAI	-10 / 40	3	0.2/1.5	0.2/3.5	5 to 15	5(2)

Associated Powerboard PS102/DAI Dims. ERT... 83 x 144 x 30 mm. : PS102... 90 x 145 x 40 mm.

Options; Remote Temp. sensors – See page 18

24Vac Temperature Controllers – Humidity - Infra-Red etc. Options

Series ERT24SUPER 24 Vac Display Room Universal Staging Thermostats / Controllers



ERT24SUPER

- **Range:** 10 - 30°C • **LCD indicating:** Mode-Ambient.Temp.- Set point Temp. - Fan Speed – On/Off.
- **Adjustment Buttons for:** On/ Off – Mode – Set Point Temp. – °F/°C – Economy operation
- **Temperature Setting Limits:** • **Alarm Output Contact:** Volt-Free. • **Rev. Valve:** Mode select
- **Electrical Switching Ratings @ 230 Vac;** Fan 2A , Comp. 2A, Res. Htg. 2A, Heatpump 2A
- **4 Control Options:** in the one controller – jumper selectable – see table below: • **Time Delay;** Clg

Model	Option	No. Clg. Stgs.	No. Htg. Stgs.		Diff. °C	No. Fan Speeds	Remote Sensor Option	Selections
			Heat Pump	Res. Htg				
ERT24SUPER	A	1	-	1	+/- 0.5	1	x	On/Off - °F/C Cool - Heat Auto Heat/Cool Economy Fan & Auto-Fan
	B	2	-	2				
	C	1	1	1				
	D	2	2	1				

Options; WP2 Patress

Dimensions 83 x 144 x 30 mm.

Series ETN24SUPER 24 Vac Display Room Universal Staging Thermostats / Controllers



ETN24SUPER- SI & SH

- **Range;** 10 - 30°C, • **Deadband** +/- 0.6°C. • **Temp. Limits:** on Setpoint & Economy • **Offset:** +/- 6°C
- **Adj. Buttons;** On/Off – Mode - Fan +/- . **Modes:** Heat, Cool, Auto Heat-Cool, Fan, Economy.
- **Window Fault Function:** Switches unit OFF or to Economy Mode. **Lock:** inhibits all settings.
- **Time Delay:** 4 mins. on Clg. • **Sensors:** Integral or Remote. • **Electrical ratings @ 24 Vac:** 2 Amp.

Using dip switches many different output configurations are available. – See below for details:

Explanation of terms. H = Htg. Stages / C = Clg. Stages / S = Fan Speeds / HP = Heat Pump:

Examples: HC22-1S = 2xHtg, 2xClg, 1xSpeed, HP32-1S = 3x Htg. (2x heat Pump=2xClg/ Rev. Valve 1x additional electric switch), 2xClg, 1xSpeed.

ETN24SUPER-SH Model: Configurations

C1-1S	C1-3S	C2-1S	C2-3S
C3-1S			
HC11-1S	HC11-3S	HC12-1S	HC12-3S
HC22-1S	HC23-1S		

Option WP4 Patress

Dims: 92 x 80 x 22 mm

ETN24SUPER-SI Model: Configurations

C1-1S	C2-1S		
HC11-1S	HC21-1S	HC22-1S	HC32-1S
HP11-1S	HP21-1S	HP22-1S	HP32-1S
HP42-1S			

Option : WP4 Patress

Dims: 92 x 80 x 22 mm.

Series FMH24... Flush Mounting Room Display Staging Thermostat / Controller



Series FMH24..

- **Range;** 10 - 30°C, • **LCD Indication:** Mode – Ambient Temp.– Set Point – Fan Speeds
- **Adj. Buttons;** On/Off – Mode +/- Fan
- **Time Delay:** 4 mins. on Clg. • **Sensors:** Integral or Remote. • **Electrical ratings @ 24 Vac:** 2 Amp

Model	No. Clg Stages	No. Htg. Stages		Deadband °C	Fan Speed	Remote Sensor
		Heat Pump	Res.			
FMH24HC11/1S	1	-	1	1.2	1	x
FMH24HC11/3S	1	-	1		3	
FMH24HC22/1S	2	-	2		1	
FMH24HP11/1S	1	1	1		1	
FMH24HP21/1S	1	1	1		1	
FMH24HP32/1S	2	1	1		1	

Options; WP2 – Patress:

Dimensions (overall) 120 x 80 x 55mm

Series TED24A...SUPER 24 Vac Room Display Staging Thermostats / Controllers

As the ERT24SUPER... & ETN24SUPER...Series above this can be configured, using on-board dip switches, to control up to **2 stages of cooling & 2 stages of heating** (heat pump-electric-hydronic).

- **Range:** 10-30°C • **Fan:** single speed • **Time Delay:** 4 mins. • **Remote Sensor** • **2 Amp.** Switching.
- **Selector Switches:** On – Off, Heat – Auto – Cool, Fan On – Fan Auto.

Model No: TED24ASUPER

Options: WP1 Patress

Dimensions 125 x 75 x 30 mm

Options for all above Controllers: Remote Temp. sensors: - See page 18

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail;info@sciuk.co.uk, Web-site: www.sciuk.co.uk



Series TED24...

Easily incorporate into 24 Vac control systems of Japanese & USA manufacturer's equipment

Series ERT2124 & Series CTR SUPER 24 Vac Display, Programmable Temp - Controllers

Series ERT2124...

- **Range;** 10 - 30°C, • **LCD Indication:** Mode – Ambient Temp.– Set Point – Fan Speed – Alarm Limits
- **Adj. Buttons;** On/Off – Mode – Clock – Programme – Fan Hold – Alarm Limits.
- **Weekly Programme:** Mon. to Fri. + Sat + Sun. – 2 start/ time period's per. day.
- **Indicating Led's:** On/Off – Alarm. • **Time Delay:** 4 mins. on Clg. • **Sensors:** Integral or Remote.
- **Electrical ratings @ 24 Vac:** 2 Amp.



Series ERT2124
& CTR24SUPER

Model	Option	No. Cooling Stages	No. Htg Stages		Diff. & Deadband °C	Fan Speeds	Remote Sensor Option
			Heat Pump	Res.			
ERT2124	-	1	1	-	+/- 0.5 D/B	1	x
ERT2124/2	-	2	2	-			
ERT2124/H2	-	2	-	2			
ERT2124/1H1	-	1	1	1			
ERT2124/2H2	-	2	2	2			

Options: WP2 Patress:

Remote Temp. sensors – See page 18

Dimensions: 83 x 144 x 30 mm.

Series CTR24SUPER- Universal Model

This is exactly as the ERT2124 but varies in following areas:

- **Weekly Programme:** Mon. to Fri. + Sat + Sun. – 4 time periods per. day, each with own set points.
- Is a 4-in-one controller; each combination being dip switch selected.

CTR24SUPER	HC22	2	-	2	+/- 0.5 D/B	1	x
	HC32	2	-	3			
	HP21	1	1	1			
	HP32	2	2	1			

Options; WP2 Patress

Remote Temp. sensors – See page 18

Dimensions 83 x 144 x 30 mm.

ETN24SUPER- PROG 24 Vac Display, Programmable Temp - Controllers

- **Range;** 10 - 30°C, • **LCD Indication:** Mode – Ambient Temp.– Set Point – Fan Speed – Alarm Limits
- **Adj. Buttons;** On/Off – Mode – Fan - Prog. +/-
- **Weekly Prog. USA*:** Mon. to Fri. + Sat + Sun. - 4 time periods per. day each with own temp. set points
- **Weekly Prog. St/St*:** Mon. to Fri. + Sat + Sun. - 2 time period's per. day.
- **Time Delay:** 4 mins. on Clg. • **Sensors:** Integral or Remote. • **Electrical ratings @ 24 Vac:** 2 Amp.

* Differentiates the two models (-USA & -ST/ST) which are otherwise identical in all other respects.



ETN24SUPER

Model	Option	No. Clg Stages	No. Htg. Stages		Deadband	Fan Speeds	Remote Sensor
			Heat Pump	Res.			
ETN24SUPER -PROG- USA --or-- ETN24SUPER -PROG-ST/ST	HC22	2	-	2	+/- 0.5 D/B	1	x
	HC32	2	-	3			
	HP21	1	1	1			
	HP32	2	2	1			

Options; WP4 Patress

Remote Temp. sensors – See page 18

Dimensions mm 92 x 80 x 22 mm.

Series PS24 ... 24 / 230 Vac Remote Power boards for use with ETN24... & FMH...Controls

This is a small p.c.b. which converts 24 Vac outputs from the ETN24... & FMH... to 230 Vac outputs. (usually 3 x 230 Vac outputs for 3 speed fan)



PS24...

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail; info@sciuk.co.uk, Web-site: www.sciuk.co.uk

General Purpose Electro-Mechanical Thermostats



Series MEC..



Series MEC..D



MEFP..



Series MTA



Series MEOF..



Series MBRC



Series MEBS

Model	Range °C	Diff. °C	Capillary Length m.	Bulb Dims. mm.	Max. Bulb Temp °C	Elect. Rating S.p.d.t. (Amp@ 230 Vac)	Overall Dims. mm	IP
-------	-------------	-------------	---------------------------	----------------------	----------------------------	--	------------------------	----

Series MEC.. Capillary (Liquid Filled) Thermostats

MEC-3	-20 / +40°C	1.5°C	2.0	8 x 140	70	15 (6)	83 x 93 x 63	43
MEC-6	0 / 100	2.0		8 x 100	120	15(4)		
MEC-8	0 / 200	Man. Reset		8 x 70	240	15(6)		

Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 3 on rise in Temp.

Accessories;

MEE-1A Duct Bulb Holder 300 mm. long – cut to suit duct size.

MEE-1B Brass Bulbwell ½" BSPT x 155 mm. x 11 mm. dia.

MEE-STE Stainless Steel Bulb well ½" BSPT x 11 dia.

Series MEC.D.. Duct Insertion (Liquid Filled) Thermostat

EC-3D	-15 / +45°C	1.5°C	Rigid Stem	120 Inc. Holder	70	15(8)	Enclosure; 83 x 93 x 63 Insertion; 120	43
EC-6D	0 / 70	2.0			90			
EC-6DM	30 / 65	Man.			90			
EC-7DM	60 / 95	Reset			115			

Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 3 on rise in Temp.

Series MEFP.. Freeze Protection Capillary (Vapour Filled) Thermostats

MEFP1	-15 / +15°C	2.5°C	6	-	200	24(10)	95 x 70 x 56	43
MEFP2		Man. Reset						

Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 4 on rise in Temp.

Accessories;

MEE-1 Capillary Clips. (6 per. pack)

Installation Note; Ambient temp. around housing must always be greater than that sensed by capillary.

Series MTA.. Room (Liquid Filled Bellows) Thermostat

MTA	5 / 30°C	1.0°C	-	-	-	10(3)	78 x 78 x 32	20
-----	----------	-------	---	---	---	-------	--------------	----

Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 3 on rise in Temp.

Series MEOF.. Outside Air (Bimetallic Element) Thermostat

MEOF-1	-20 / +30°C	2.0°C	-	-	-	10(3)	125 x 125 x 5	65
--------	-------------	-------	---	---	---	-------	---------------	----

Electrical connections; 2 makes 1 on rise in Temp. / 2 makes 3 on fall in Temp.

Series MBRC Strap-On Thermostats

MBRC	20 / 90°C	5.0	-	-	120	15(3)	115 x 46 x 57	20
------	-----------	-----	---	---	-----	-------	---------------	----

Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 3 on rise in Temp.

Series MEB S/D.. Single & Dual Function Immersion Thermostats

Model	Range °C		Diffs. °C		Bulb Dims. mm.	Elect Ratings S.p.d.t. Amp`230Vac	Overall Dims mm	IP
	Control	Limit	Control	Limit				
MEBS-2	0 / 80 °C	-	2 °C	-	200 Long 10 Dia.	10(3)	85 x 33 x 57	43
MEBS-3	35 / 95	-	4	-		15(5)		
MEBS-8	60 / 90	-	-	Man. Reset				
MEBS-9	95 / 130	-	-	Open High	100 Long 17 Dia.	10(3)	85 x 78 x 57	
MEBD-2	0 / 80	0 / 80°C	2	Man. Reset		15(5)		
MEBD-8	35 / 95	35 / 95	4	Open High				

MEBS - Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 3 on rise in Temp.

MEBD - Electrical connections; 1 makes 2 on fall in Temp. / 1 makes 3 on rise in Temp.

Accessories: MEE-9B Replacement Brass Bulbwell – ½" BSPT x 155 mm. x 11 mm. dia.

MEE-ST9 Replacement Stainless Steel Bulbwell – ½" BSPT x 155mm. x 11 mm. dia.

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail: info@sciuk.co.uk, Web-site: www.sciuk.co.uk

Series MA... Single Stage OEM. Thermostats

Available with vapour or liquid fill capillaries they are not only cost-effective but also ideal for many applications where direct switching of high currents (20 Amp FLC & 80 Amp LRC @ 230 Vac) is required.



Series MA...

Model	Range °C	Diff °C	Application	Sensing Element		Electrical Switching (S.p.s.t)
				Format	Length mm	
MA1142	4 / 14	4.0	Water Cooler	Cap.	1200	20 LRA 80 LRA @ 230Vac
MA1301	-29 / -16	5.0	Refrigerator	Cap.	800	
MA3420	16 / 30	3.0	A/C	Bulb	700	
MA3460	18 / 31	2.8	A/C	Bulb	700	
MA5011	34 / 40	6.0	Heat pump	Cap	600	
MA5028	7 / 11	4.0	A/C Htg.	Cap.	500	
MA5040	-4 / 10	14.0	A/C De-ice	Bulb	700	

Overall Dimensions; 75 x 35 x 29.5 mm.

Series GT... Single & Two Stage OEM Thermostats

These liquid filled capillary thermostats are ideal for many applications e.g. Fan Coils, Heat Pumps, A/C, Cellar Coolers etc. where high current, direct switching (20 Amp FLC & 80 Amp LRC @230 Vac) of compressors or resistance heater elements is required.



Series GT..

Model	Range °C	Dial Position	Factory Pre-Settings				Electrical Switching (S.p.d.t.)
			Switch A		Switch B		
			1 to 2 °C	Diff. °C	4 to 5 °C	Diff. °C	
GT1001	0 / 50	Mid	0 / 50	1.2	-	-	20 LRA 80 LRA @ 230Vac
GT1002	-30 / 20	Warm	-30 / 20	1.2	-	-	
GT1003	15 / 35	Mid	15 / 35	1.2	-	-	
GT1005	-5 / 15	Warm	-5 / 15	1.2	-	-	
GT2001	0 / 50	Mid	0 / 50	1.2	26.0	1.2	
GT2002	-30 / 20	Warm	-30 / 20	1.2	21.0	1.2	
GT2003	15 / 35	Mid	15 / 35	1.2	26.0	1.2	
GT2005	-5 / 15	Warm	-5 / 15	1.2	16.0	1.2	

Note ; Each stage has S.P.D.T electrical switching.

Overall Dimensions ; 70 x 37 x 43 mm.

Accessories;

Scale Plates
Adjusting Knobs

Series ETN24... : 24 Vac: 0 – 10 Vdc / 3 – Wire Proportional P/PI Display Controllers

- **Range;** 10 - 30°C • **Led Ind;** Option • **Mounting;** Din Rail or Room • **Sensor;** Integral or Remote
- **3 – Wire Run Times:** Select 60/90/120 Secs. • **Prop. Band :** 2-10°C Adj. • **D/Band:** 2-10°C Adj.

Series ETN24PM... 3 – Point.

Model	No. of Outputs	Fan Speeds
ETN24PM *	1	1
ETN24PM3*	1	3
ETN24PM2	2	1
ETN24PM2/3	2	3
ETN24PMH	3- Wire Clg. Switch. Htg.	1

Options; WP4 Patress

Remote Temp. sensors – See page 18

* Includes models for Air-side Fan Coils applications.

Series ETN24P... 0-10 Vdc

Model	No. of Outputs	Fan Speeds
ETN24PD*	1	1
ETN24PD3*	1	3
ETN24P	2	1
ETN24P3	2	3
ETN24PH	0-10 Vdc. Clg. Switch Htg.	1

Dimensions 92 x 80 x 220 mm



Series; ETN24 / P. / PM.

Series FMH24... : 24 Vac: 0 – 10 Vdc / 3 – Wire Proportional P/PI Display Controllers

- **Range;** 10 - 30°C • **Led Ind;** Option • **Mounting;** Din Rail or Room • **Sensor;** Integral or Remote
- **3 – Wire Run Times:** Select 60/90/120 Secs. • **Prop. Band :** 2-10°C Adj. • **D/Band:** 2-10°C Adj.

Series FMH24PM... 3 – Point.

Model	No. of Outputs	Fan Speeds
FMH24PM	1	1
ETN24PM2	1	2
ETN24PM2	2	1
ETN24PM2/2	2	2

Options; WP4 Patress

Remote Temp. sensors – See page 18

Series FMH24P... 0-10 Vdc

Model	No. of Outputs	Fan Speeds
FMH24PD	1	1
FMH24PD3	1	3
FMH24P	2	1
FMH24P3	2	3

Dimensions 104 x 68 x 50 mm



Series FMH24 / P. / PM.

Series PS24 ... 24 / 230 Vac Remote Power Boards for use with ETN24 & FMH...Controls

This is a small p.c.b. which converts 24 Vac outputs from the ETN24... & FMH... to 230 Vac outputs. (usually 3 - 230 Vac outputs for 3 speed fan)



I
I
I



ETN12.../PS...

Series ETN12... & FMH12...: 12dc / 230 Vac: 0 – 10 Vdc / 3 – Wire Prop. Display Controls

The ETN12 & FMH12..... (12 Vdc powered) room interface units are used in conjunction with PS50... 230 Vac power boards. Details of these PS50... power boards are given below.

In general these combinations of ETN12.../PS50 & FMH12.../ PS50... are available with same specifications as the ETN24... / FMH24... Series detailed as above. Contact office for fuller details.

Series PS50... 230 Vac Remote Power Boards for use with ETN12...& FMH12...Controllers

Series PS505 for Series ETN12P... & FMH12P... Controllers with proportional control outputs.

These provide:

- 24 Vac power supply to Valve(s)/ Damper(s) actuators. (can eliminate the need for separate 230/24 Vac control transformer its cost & cost of installation time)
- 24 Vac switched control outputs. • 0 – 10 Vdc or 3 wire control outputs.
- 12 Vdc power to ETN12P... or FMH12P.. room interface unit.
- 230 Vac outputs for 3 fan speeds • external sensor (option)

Series PS506 for Series ETN12PM... & FMH12PM... Controllers with proportional control outputs

These provide:

- 12 Vdc power to ETN12PM... or FMH12PM... room interface unit.
- 3wire or 0-10Vdc. control outputs. • 230 Vac outputs for 3 fan speeds • Volt free window contact

Series ETN 24PWM & FMH24PWM Pulse Width Modulating Display Controllers

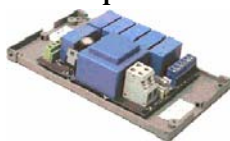
For use with Valve Thermal Actuators – available early 2006.

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail;info@sciuk.co.uk, Web-site: www.sciuk.co.uk



I
I
I



FMH12.../PS...

Designed primarily for the market in the USA, its stylish design has proven to have a much wider appeal and it has now been made available worldwide.

Series FMT... Vertical Style Flush Mount 12 Vdc, 24 Vac & 220 Vac Controllers

Series FMT...

There is an extensive range of 24 Vac models, equivalent in function to our series FMH24... & ETN24... (See pages 5, 6, A1, A5, A6, A7), available. They have also been applied, in other voltage ratings and control applications, as detailed below. For this reason some of these models may be subject to minimum order qtys. A Summary of model type's current availability is as follows:

- **FMT24...** 24 Vac Controllers
- **FMT24...PROG.** 24Vac Controllers with Weekly Programme.
- **FMTZ...** 12Vdc / 24 Vac Room Controllers for Multi-Zone Systems.
- **FMTM1700/1800...** 12Vdc / 24 Vac Room Controllers for "Maxi-Net" Communication System.
- **FMT-2500...** 12 Vdc for various Protocols, BMS Systems (BACnet, Modbus etc.)
- **FMT-AZC...** 12 Vdc / 24 Vac Zone Damper Control Systems

Dimensions (in inches): 5.65" High: 3.25" Wide: 1.3" Overall Depth: 0.31" Surface Protrusion.

Sensors – See Page 18



Series M4/8...



Series V5922A...



Series V5823C...



Series MM...



Series MG...



Series M2/3V...

Fan Coil Valves & Actuators.

Actuators: Thermal

Model	Technical specifications
M8450A1000	Thermal - 24 Vac- 3w - 5min
M44501009	Thermal -230 Vac-3w – 4min

Use with; **V5822A / 23A / 23C valves**

Actuators: 3 Position / Floating & 0 – 10 Vdc Action

Model	Technical Specifications
M7410C1007	3 pos.-24 Vac. 0.7 VA, - 150 secs.
M7410E1002	0 – 10 Vdc-24 Vac 1.4 VA, 180N

Valve Bodies; Brass PN16 Compression fittings. (Supplied only as Valve & Actuator Sets)

Model	Technical specifications
V5822A-1006	2way/2port. 15mm. Kv 0.16
V5822A-1014	15 0.25
V5822A-1022	15 0.40
V5822A-1030	15 0.63
V5822A-1048	15 1.00
V5822A-1055	15 1.60
V5822A-1063	20 2.50
V5822A-1071	20 4.00

Use with; **M7410/4450/8450 actuators**

V5823-2003	3way/3port 15mm. Kv 16/0.25*
V5823-2029	15 0.63/0.40*
V5822A-2037	15 1.00/0.63*
V5822A-2045	15 1.60/1.00*

Temperature Limits 2 / 110°C:

Model	Technical Specifications
V5823A-2151	3way/3port 20mm Kv 2.50/1.60*
V5823A-2169	20 2.50/1.60*

Use with; **M7410/4450/8450 actuators**

V5823C-2009	3way/4port 15mm Kv 0.25/0.16*
V5823C-2017	15 0.4/0.250*
V5823C-2 025	15 0.63/0.40*
V5823C-2033	15 1.00/0.63*
V5823C-2041	15 1.60/1.00*
V5823C-2058+	20 2.50/1.60*
V5823C-2066+	20 4.0/2.50*
V5823C-2157#	20 2.50/1.60*
V5823C-2165#	20 4.0/2.50*

Use with; **M7410/4450/8450 actuators.** *

+= M4450/8450 only; #= M7410 only

Lift & Lay Control Valve Bodies – 2 & 3 Way

Model	Technical specifications
MMK15	Brass Screwed 15mm. Kv 3.0
MMK20	20 6.0
MMK25	25 9.0
MMK32	32 14.0
MMK40	40 19.0
MMK50	50 25.0

Actuators; Specs. available from office

Temperature Limits 2 / 110°C

Model	Technical Specifications
MMKDN50	C.I. Flanged. 50mm. Kv 40
MMKDN65	65 63
MMKDN80	80 100

Linkages;

MEE-2MK	Screwed Valves: 15 – 50mm.
MEE-3MK	Flanged Valves; 50mm
MEE-4MK	Flanged Valves; 65/80mm.

Rotary Control Valve Bodies – 3 Way

Model	Technical specifications
3G 20	C.I. Screwed 20 mm. Kv 8.0
3G 25	25 12.0
3G 32	32 18.00
3G 40	40 28.00
3G 50	50 44.00

Linkages

1 or 2-ESB	1-ESB=4Nm : 2-ESB=8/ 16Nm
-------------------	---------------------------

Model	Technical Specifications
3F50	C.I. Flanged 50 mm. Kv 60
3F65	65 90
3F80	80 150
3F100	100 225
3F125	125 280
3F150	150 400

Actuators; Contact Office. : Temp. 2/110°C

Damper & Valve Actuators

Model	Technical specifications
DAN 1	4-Nm. 24 V ac/dc 2/3 Point.
DAN 2	230 Vac 2/3 Point.
DMN 1.2N	24 V ac/dc 0-10 Vdc Mod.
DAS 1	8-Nm. 24 V ac/dc 2/3 Point.
DAS 2	230 V ac 2/3 Point.
DMS 1.1	24 V ac/dc 0-10 V dc Mod.
DA 1	16-Nm. 24 V ac/dc 2/3 Point.
DA 2	230 V ac 2/3 Point
DM 1.1	24 V ac/dc 0-10 V dc Mod.
Detailed	Specs. available from Office

Motorised Valves 24 & 230 Vac

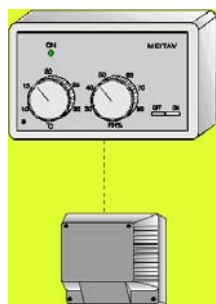
Model	Technical Specifications
M2V-1/2	2-Way 1/2" Screw BSPF, N/C Spring/Rtn.
M2V-3/4	3/4,
M3V-1/2	3- Way 1/2" Screw BSPF, N/C Spring/Rtn.
M3V-3/4	3/4"
M3V-1	1"
M3V-15	3-Way 15mm. Comp. N/C Spring/Rtn.
M3V-22	3-Way 22mm. Comp. N/C Spring/Rtn.
MV3-28	3-Way 28mm. Comp. N/C Spring Rtn.

Add voltage rating at end of Part No. i.e. 24 Vac or – 230 Vac

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail;info@sciuk.co.uk, Web-site: www.sciuk.co.uk

Series ERHU50...51 230 Vac Room Controller with Switched Outputs



Series ERHU...
(with remote sensor)

- **Ranges;** 10 - 30°C +/- 1°C & 30 - 80% Rh. +/- 5% Rh. • **Sensors;** Integral or Remote.
- **Switching;** S.p.s.t. Volt-Free with Dip Swt. to select Hum. / De-hum. & Heat. / Cool.

Model	Temp. Range °C	Humidity Range % Rh.	Remote Sensor Requirement	Electrical Ratings 2 x S.p.s.t. Relays (Amps at 230 Vac)
ERHU50	10 - 30	30 - 80	None	3

Dimensions; ERHU50 125 x 75 x 30 mm.,

Series CHU-24-SUPER 24 Vac Programmable Combined Temperature & Humidity Controller

- **Ranges:** 0 - 30 °C ; 10 - 90 % Rh. • **Sensors:** Temperature & Humidity - Integral
- **LCD Ind.:** Amb.& Setpoint - Temp. & Humidity, Fan, Alarms, Clock & Programme.
- **Adj Buttons:** On/Off, Prog., Clock, Set Hum / Set Temp., Mode, Fan etc.
- **Ind Led's:** System, Humidity, • **Time Delay:** 4 mins on cooling. • **Elect. Rating:** 2 Amp. @24 Vac
- **Weekly Programme:** 4 x Start / stop periods per day - Mon to Fri. + Sat + Sun

Model	No. Clg. Stgs	No Htg. Stgs. Selectable	Hum/ Dehum Stgs.	Fan Speed	Sensor Option
CHU24 HC22	2	2	1	1	Temp Only Remote

Remote Temp. sensors - See page 18

Dimensions; ERHU50 125 x 75 x 30 mm.,

Series M500. 24/230 Vac Display Controller: up-to 4 Stages of Heating / Cooling & Hum./Dehum

- **Range;** 0 - 60°C (set 5 - 55°C) +/- 1°C, 5 - 99% Rh (set 10 - 90% Rh) +/- 3% Rh.
- **Sensor;** Use our GHU/R Room or GHU/D Duct sensors - see below for details.
- **Outputs;** Switched Std, 0-10 Vdc modulating option.
- **Selection;** Temperature & Humidity Setpoints - Inter-stage & Stage Differentials.

Model	No. Clg. Stgs	No. Htg. Stgs	No. Hum. Stgs.	No De-Hum. Stgs.	Temp. Diff. °C	Hum. Diff. % Rh.	Elect Rating (amps)	Power Board 230Vac
M5001/12V	1	1	1	1	I/Stage 0.5-2.5	I/Stage 0.5-5.0	2(10) at 230Vac	PS102H
M5001/24V	1	1	1	1			2 at 24Vac	-
M5002/12V	2	2	1	1	Stage. 0.5-1.5	Stage 0.5-3.0	2(10) at 230Vac	PS102H
M5002/24V	2	2	1	1			2 at 24Vac	-
M5004/12V	1	2	1	1	Stage. 0.5-1.5	Stage 0.5-3.0	2(10) at 230Vac	PS102H
M5004/24V	1	2	1	1			2 at 24Vac	-
PS102H	-	-	-	-	-	-	2(10) at 230Vac	-

Remote Temp. / Rh.sensors - See below

Dimensions 83 x 143 x 30 mm.



Series M500.12V
(Cpte. with GHU sensor
& 230 Vac PS102H
Power Board)

Series GHU Combined Temperature & Humidity Sensor-Transmitters

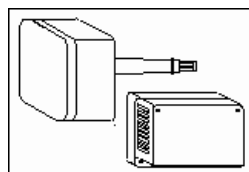
Ideal for use in many HVACR & Energy Management applications in conjunction with both our own and other propriety controllers / systems.

- **Ranges;** 0 - 50°C +/- 1° & 5 - 99% Rh. +/- 3% Rh. • **Power;** 24 Vac / 24 - 30 Vdc (12Vdc option)
- **Outputs;** 0 - 10 Vdc modulating for both Temp. & Hum. • **Hum. Sensor;** Bulk Polymer.
- **Additional Facility:** Allows independent thermistor sensor to be added.

Model	Type	Temp. Range °C	Humidity Range % Rh.	Power Supplies.	IP Rating
GHU/R	Room	0 - 50 +/- 1	5 - 99 +/- 3%	24 Vac. & 24 - 30 Vdc	34
GHU/D	Duct			24 Vac. & 24 - 30 Vdc	54

Dimensions; GHU/R Room 105 x 85 x 42 mm., GHU/D Duct 110 x 110 x 55 mm. Probe 130 x 16 mm dia.

Remote Temp. sensors - See page 18



Series GHU...

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail;info@sciuk.co.uk, Web-site: www.sciuk.co.uk

We offer Controllers & Transmitters with both Switched & Modulating (0 – 10 Vdc) Outputs to be utilised to switch or modulate dampers or speed of fans to provide the correct amount of ventilation to meet required air quality standards in the most cost effective and economic way.

Our FSC6 0/10V ventilation fan speed controller is ideal for use with these controllers / transmitters. This allows a number of fans (up-to a total aggregate current load of 6 Amp) to be speed controlled from just one air-quality controller or transmitter, once again improving economy whilst minimising capital cost.

Series G-AQ.. Room Air Quality Display Controllers



Series G-AQ12 / 24

There are two power supply options for this room controller;

- 24Vac direct to control (**Model G-AQ24**) with switched & 0-10Vdc outputs.
- 230 Vac supply to a remote Power Supply Unit (**Model PSGAQ**) which provides a 230 Vac switched output plus a 12 Vdc power supply to the Control (**Model G-AQ12**). The 0-10 Vdc signal is taken from the Control.

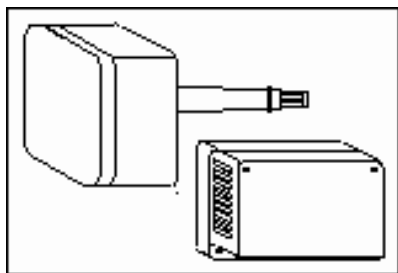
- **Outputs;** 0-10 Vdc or Switched.
- **Time Delay;** 20 min. option.
- **Display;** Led.
- **Sensor:** Tin Di-oxide
- **Range;** 0-100 Non-Specific
- **Accuracy;** +/-5%

Model Selection

Model	Remote Power Supply Unit	Outputs	Voltage Rating	Elect. Switch. (amps)
G-AQ24	-	1 x Switched	24 Vac	3
G-AQ12	PSGAQ	1 x 0-10Vdc	230 Vac / 12 Vdc	3

Dimensions; Room 125 x 77 x 30 mm.

Series G-AQ / R & / D Room and Duct Mounting Air Quality Transmitters



Series GAQ R / D

- **Power;** 24 Vac & 24/30 Vdc.
- **Output;** 0-10 Vdc.
- **Sensor;** Tin Dioxide
- **Range;** 0-100. Non - Specific.
- **Accuracy;** +/- 5% of calibration point.

Model	Type	Output	Accuracy	IP Rating
GAQ/R	Room	0 – 10 Vdc	+/- 5% of calibration point	20
GAQ/D	Duct			54

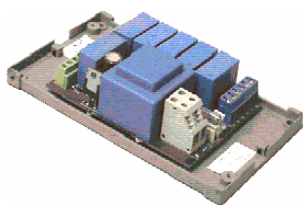
Dimensions; Room 85 x 105 x 43 mm. – Duct 110 x 110 x 50 mm. 50 x 22 mm dia. Insertion.

Series G-CO2/R & /D CO2 Air Quality Transmitters – Room & Duct.

Model	Type	Output	CO 2 Range	IP Rating
GCO2/R	Room	0 – 10 Vdc	400 – 3000 ppm	20
GCO2/D	Duct			54

Dimensions; Not available at time of going to press

Series FSC6/V Modulating Ventilating Fan Speed Controller



Series FSC6/V

These accept a 0 – 10 Vdc input signal from any controller/transmitter and acting upon this varies the output voltage to the connected fan(s) to cause them to speed up or down accordingly.

When used with our GAQ controllers or transmitters the speed of the ventilation fan(s) is automatically set to provide the correct amount (no more/no less) of fresh air ventilation to meet the required air quality levels. This is very economic in terms of saved energy.

As one FSC6 controller can drive a number of fans in parallel (up to max. aggregate current draw of 6 amp @230 Vac) it is ideal for multi-fan applications such as pubs & restaurants. A GAQ air quality controller or transmitter used in conjunction with this FSC6 speed controller is therefore a very low capital & running cost solution.

Model	Supply Volts.	Input Signal	Variable Output Volts.	Min. Speed	Elect. Output Rating (Amp@230V)
FSC6/V	230 Vac	0 – 10 Vdc	95/230 Vac	*	6

Dimensions: 167 x 111 x 60 mm.

Series MJS... Flow Switches



Series MJS...

- For Non-Aggressive Liquids

- **Body:** Brass • **Paddle Material;** VA • **Conns:** 1". BSP Male. • **Pipe Dia;** 1 to 8 inches

Model	Max. Press Bar	Flow Rates Max/ Min. M3 / Hr.	Max. Temp.		Elect. Rating. (S.p.d.t.) Amp@230Vac	Overall Dims.	
			Amb. °C	Media °C		Elect. Box	Paddle Inches
MJSFX	11	0.6 / 61.3*	-40/85	120	15(8)	130x71x67	8

*Depends upon pipe diameters – charts / tables available

Series KPSNS... Pressure Switches



Series KPSNS...

Model	Action	Range Bar	Diff. Bar	Max. Press Bar	Burst Press Bar	Press. Conn.	Elect. Rating (Amps@ 230 Vac)
KPSNSC110	Auto	0-10	1-3	15	16.5	1/4"	FLC 5(4.5)
KPSNSC130		5-30	3-10	33	40		LRC 20@ pf0.45

Overall Dimensions; 80 x 70 x 54 x mm.

Series MDS.../MDF.. Differential Pressure Switches



Series MDS.../MDF...

Model	Range Bar	Diff Bar	Max. Diff. Press. Bar	Conns BSPF	Max Temp		Elect. Rating S.p.d.t. (Amps@ 230 Vac)	IP
					Amb. °C	Media °C		
MDS2	0.1/2.0	0.2	4.0	1/4"	-20/55	-20/120	16(10)	33
MDS3.5	0.5/3.5	0.45	16.5					
MDF113	0.2/4.0	0.1	23		70	80	5(2)	30

Overall Dimensions; Model MDS – 98 x 92 x 58 mm : Model MDF113 – 128 x 175 x 63 mm.

Series M691... Static Pressure Transmitters



Series M691...

- Suitable for use on Water – Oil – Steam – Air or other neutral fluids etc.
- **Conns:** Stainless Steel. • **Element;** Ceramic • **Accuracy:** 1.5% full scale • **Load Resistance;** > 10 kΩ
- **Response time;** < 5 ms.

Model	Range Bar	Conn BSPF	Elect. Power	Output Signal	Max. Temp		Dims mm.	IP
					Amb. °C	Media °C		
M691-911	0/1	1/4"	24 V ac 24 V dc	0/10Vdc	- 15/80	-15/80	61 x 40dia.	65
M691-930	0/10							
M691-931	0/16							
M691-932	0/25							

Series MWPT.. Differential Pressure Transmitters

- Suitable for use on Water – Oil – Steam – Air or other neutral fluids etc

- **Body:** Brass • **Diaphragm;** NBR Rubber • **Sensor;** Hall Effect • **Accuracy** 1.5% full Scale
- **Load Resistance:** > 10 kΩ

Model	Range mbar	Conn BSPF	Elect. Power	Output Signal	Max. Temp.		Dims. mm	IP
					Amb. °C	Media °C		
MWPT-050	0/50	1/4"	24 V ac 24 V dc	0/10 Vdc	-10/90	-10/80	72 dia. x 94	54
MWPT-100	0/100							
MWPT-200	0/200							
MWPT-500	0/500							
MWPT-1000	0/1000							



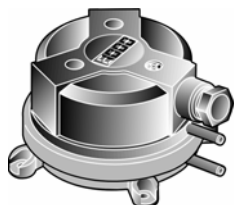
Series MWPT...

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail; info@sciuk.co.uk, Web-site: www.sciuk.co.uk

Series M930.. Air Differential Pressure Switches

- **Monitoring:** Air- Flow Failure. • **Filter Dirty Indication.** • **Defrost Initiation etc..**
- **Ranges;** Up-to 25mBar • **Min/Max Temp;** 0/80°C • **Conns;** 6mm • **IP54** • **Accessories;** Full Range.
- **Electrical Specification;** S.p.d.t. switching, rated 1.0 (0.4) A at 230 Vac. • **Cable Conn;** PG11.



Series M930.. & 984..

Model	Range Pa - mBar	Diff. Pa - mBar
M930-80	20 – 80 Pa	10 Pa
M930-83	50 – 500 Pa	20 Pa
M930-85	2 – 10 mBar	1.0 mBar
M930-86	5 - 25 mBar	2.0 mBar

Model	Accessories
M930DFK	Mtg. Kit; 2 m pvc tube. 2 x static tips.
M930BRK-L	L mounting bracket.

Series 984 Air Differential Pressure Transmitters

- **Filter & Fan Monitoring.** • **BMS Applications.** • **A/C & Clean Room Applications etc.**
- **Ranges;** Up-to 250kPa. • **Accuracy;** +/- 1% • **Stability;** +/- 0.5%/yr. • **Response Time;** 10 msec.
- **Supply Volts;** 18/24/30 Vac & 16/24/32 Vdc. • **Output;** 0 -10 Vdc • **Swt. O/P.** Open/col.-npn-spdt



Series Magnihellic

Model	Range Pa - kPa	OverLoad kPa
984-100Pa	0 - 100 Pa	25
984-250Pa	0 - 250Pa	25
984-500Pa	0 - 500Pa	25
984-1kPa	0 - 1 kPa	25
984-2.5kPa	0 - 2.5 kPa	30
984-5kPa	0 - 5.0 kPa	75

Model	Range kPa	OverLoad kPa - Mpa
984-10kPa	0 - 10kPa	100 kPa
984-25kPa	0 - 25 kPa	100 kPa
984-50kPa	0 - 50kPa	100 kPa
984-100kPa	0 - 100kPa	300 kPa
984-250kPa	0 - 250 kPa	1.2 MPa

*Transmitters with “ Root Mean Square ” outputs – now also available.

Dwyer Series Magnihellic & Minihellic Air Static & Differential Pressure Gauges

Magnihellic

Model	Range Pa	Face Dia. inches
2000-60Pa	0 - 60	4
2000-125Pa	0 - 125	4
2000-250Pa	0 - 250	4
2000-500Pa	0 - 500	4
2000-750Pa	0 - 750	4

Minihellic

Model	Range Pa - kPa	Face Dia. inches
2-5000-125Pa	0 - 125	2.2
2-5000-250Pa	0 - 250	2.2
2-5000-500Pa	0 - 500	2.2
2-5000-750Pa	0 - 750	2.2
2-5000-1kPa	0 - 1kPa	2.2

The above Gauges can be supplied in various engineering units; i.e. ins., psi, mm, cm, kPa, etc. & with centre-zero.



Speed Controllers

Ventilation Fan Speed Controller

For General purpose use.

- **230 Vac;** Single Ph. • **Manual / Automatic**
- **Motor Fuse fitted.**

Model	Rating (Amp)	Input		
		Man.	Sensor	0-10 V
M6	6	x	-	-
M10	10	x	-	-
M10/S	10	-	x	-
M10/V	10	-	-	x

Auto Changeover Run / Standby Panel

For Run/Standby Motor Systems.

- **230 Vac;** Single Ph. (use contactors for 3 Ph.)
- **Changeover;** On fault /every 5 hrs. automatically

Model	Technical Specifications
CO2	1.Outputs Rated; 5 Amp. 2.Time Delay; Stop spurious faults 3.Fault initiation from remote device with volt-free contacts 4. Full Run/Trip indication.
BMS	Remote fail contact option.



Auto Changeover Panels

Manometers

Model	Technical Specifications
No. 25 - 3"	-0.05 / + 3" wc Moulded plastic
NM26 - 0.7"	10.1 / + 7" wc

Model	Technical Specifications
M -700Pa	-10/ +700 Pa Moulded plastic.
MM - 80	0 / 80 mm.



Manometer

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail; info@sciuk.co.uk, Web-site: www.sciuk.co.uk

Series FSC.. Single Phase Condensor Coil Fan Speed Controller for A/C & Heat Pumps

- **Minimum Speed:** adj. • **Hard Start:** 3 seconds. • Runs outdoor fan at full speed in heat pump mode.
- **Reversing Valve energisation;** On-board jumper offers both energised heat or cool operation options.
- **R22, R407, R410A:** Compatible • **CE conforming.**



Series FSC.

Model	Run Current Amps @ 230 V ac	Hard Start (Secs.)	Dimensions
FSC3	3	3	150 x 90 x 60 mm.
FSC6	6	3	167 x 111 x 60mm

Remote Temp. sensors – See page 18

Series ALFA-5 Electronic De-Icer for Heat Pump Applications



Series ALFA-5

Model	Electrical Ratings. Amps @ 230 V ac	De-Ice Cycling Time (Mins)	De-Ice Initiation	De-Ice Termination
ALFA-5	10 (1/3 h.p.)	45 +/- 5	- 2°C	+ 10° C or after 10 minutes duration depending upon which condition is reached first.

Dims. 118 x 70 x 40 mm.

Sensor cable 800mm. (can be extended)

Series KPNS.. Pressure Switches – direct equivalent to Saginomiya.

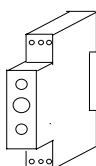


Series KPNS..

Model	Operation	Range (Bar)	Diff. (Bar)	Max. Press. (Bar)	Burst Press (Bar)	Press Conn.	Elect. Rating. (Amps @230V ac)
KPSNSC110	L. P. Auto.	0 - 10	1 - 3	15	16.5	1/4"	FLC 5(4.5)
KPSNSC130	H. P. Auto	5 - 30	3 - 10	33	40	Flare	LR 20 @ 0.45 p.f.

Options; for water applications - BSP Adapter 1/4" Female Flare x 1/4" female BSP screwed Dims. 80 x 60 x 45 mm.

Universal Time Delay Unit – Din rail Mounting

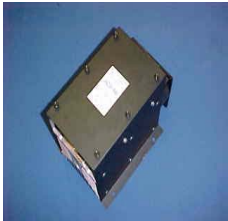


Time Delay Unit

Model	Technical Specification
MURI	24 V ac / 230 V ac / 24 V dc. Multiple Time Delay programmes include "On" & "Off" delays. Time Delay ranges; 1 – 10 sec: 6 – 60 sec: 1 – 10 min.: 6 – 60 min.: 1 – 10 Hrs.: 10 – 60 hrs.

Series MAC.. Thyristor Controllers; Single (240 Vac) & Three Phase (415 Vac)

- kW Duty Ratings; 3.5 – 28 Single Ph. & 10 – 172 Three Phase.
- Amb. Temp. Rating; - 10/40°C.
- Input Signal; 0 – 10 Vdc standard. 4.20mA, 0 – 5V & 5/10 V logic options.
- Nominal Voltages; 240 Vac Single Ph. & 415 Vac Three Ph.



Thyristor

240 Vac Single Phase

Model	Rating kW	Dimensions (mm.)
MAC1/3.5	3.5	110 x 72 x 54
MAC1/7	7.0	210 x 136 x 112
MAC1/9	9.0	210 x 136 x 112
MAC1/15	15.0	210 x 136 x 112

415 Vac Three Phase

Model	Rating kW	Dimensions (mm.)
MAC3/10	10.0	210 x 136 x 112
MAC3/20	20.0	210 x 136 x 112
MAC3/28	28.0	210 x 136 x 152
MAC3/36	36.0	210 x 136 x 152
MAC3/57	57.0	210 x 154 x 152
MAC3/86	86.0	239 x 165 x 205
MAC3/138	138.0	255 x 169 x 229
MAC3/172	172.0	255 x 169 x 229



Single Step Heater

Series M... Electric Heating Control Panels

- Installation Time; Minimised.
- External Wiring; Minimised

- Epoxy Painted; Steel Enclosures
- Door Interlock Isolators;
- Individual Switches; for Fan & Heaters
- Individual Indication; of Panel Live, Fan Run / Trip, Heaters Operating.
- Fire Alarm; Interlock.
- Individual Fuses; for Fans & each Heater Element.
- Time Delay; for Fan Run-On.
- Cable Entry; Top via. Gland - plate.
- Nominal Voltages; 230 Vac Single Phase & 400 Vac Three Phase.



3/6 Step Heater

Standard Panels – Customising Facility Available.

Model	No. Phases.	Rating. kW	Resistance Heating Stages	Thyristor Heating	Dimensions (mm.)
M1EHR3	1	3.0	1	-	170 x 170 x 70
M3EHR7.5	1	7.5	3	-	300 x 400 x 150
M6EHR18	1	18.0	6	-	400 x 500 x 150
MIHT3	3	3.0	-	x	400 x 600 x 200
M1HT9	3	9.0	-	x	400 x 600 x 200
M1HT20	3	19.0	-	x	400 x 600 x 200
M1HT36	3	36.0	-	x	400 x 600 x 200
M1HP *	1	-	-	-	400 x 500 x 150

- Options; • 7 day Time Clock • Single Phase Fan Starter • Three Phase Fan Starter
* Offers, as standard, for Water Control Valves; 0 – 10 Vdc Modulating & 24 Vac Power outputs.



Speed Controllers

Ventilation Fan Speed Controllers

For General Purpose use.

- 230 Vac; Single Ph.
- Manual / Automatic
- Motor Fuse fitted.

Model	Rating (Amp)	Input		
		Man.	Sensor	0-10 V
M6	6	x	-	-
M10	10	x	-	-
M10/S	10	-	x	-
M10/V	10	-	-	x

Automatic Changeover Run / Standby Panel

For Run/Standby Motor Systems.

- 230 Vac; Single Ph. (use contactors for 3 Ph)
- Changeover; On fault /every 5 hrs. automatically

Model	Technical Specifications
CO2	1.Outputs Rated; 5 Amp. 2.Time Delay; Stop spurious faults 3.Fault initiation from remote device with volt-free contacts 4. Full Run/Trip indication.
BMS	Remote fail contact option.



Auto Changeover Panel

Thermistor Sensors (for use with all In-House Produced Temperature Controllers)

N.T.C Sensor; Temperature ~ Resistance Characteristics.

Temp °C	-10	0	10	15	20	25	30	40	50	60	70	80	90	95
Res. kΩ	291	168	101	79	63	50	40	26	18	12.43	8.8	6.35	4.67	4.03



TS01



OAS01



RS01 & 02



DT02



RS03



GHU/D & GAQ/D



GHU/R & GAQ/R



IRT0...



IRR & IRP/1

Model	Application	Description	Dimensions (mm)
TS01	Universal cable	IP67; Encapsulated in copper sleeve ¼" dia. - ¾" long.	Cable - 800
OAS01	Outside Air	IP65:	70 x 55 x 34
RS01	Room	IP20: Attractive Ivory colour	45 x 38 x 20
RS02	Room (averaging)	IP20; As RS01 with 2 sensors. Use 2 for Averaging.	45 x 38 x 20
DT01	Duct	IP54: Probe 15mm dia. & 120 mm long.	110 x 110 x 55
DT02	Duct	IP20: Probe 15mm dia. & 120 mm long	45 x 38 x 20
RS03	Setpoint Adjuster	IP20: Room style-	95 x 80 x 25

Combined Temperature & Humidity Transmitters

Model	Application	Description	Dimensions (mm)
GHU/R	Room	IP20: Attractive Ivory colour	105 x 85 x 45
GHU/D	Duct	IP54: Probe 15 mm dia. X 120 mm long	110 x 110 x 55

Air Quality Sensors

Model	Application	Description	Dimensions (mm)
GAQ/R	Room	IP20: Attractive Ivory colour	105 x 85 x 45
GAQ/D	Duct	IP54: Probe 15 mm dia. X 120 mm long	110 x 110 x 55

Infra-Red Transmitters & Receivers

Model	Application	Description	Dimensions (mm)
RT0...	Transmitter	Hand held Transmitter - Various models	
IRR	Receiver	Plastic panel type	45 x 38 x 20
MIP	Receiver	Vinyl Adhesive type	
IRP/1	Slave Receiver	Plastic panel type	45 x 38 x 20

Patress for Control Mounting

Model	Application	Description	Dimensions (mm)
WP1	Patress	For rectangular shaped controls	132 x 83 x 10
WP2	Patress	For cut-away style controls – small style	103 x 155 x 10
WP3	Patress	For cut-away style controls – large style	155 x 155 x 10
WP4	Patress	For ETN style controls	125 x 125 10
GW24203	Back Box	For FMH style controls	104 x 68 50

Alternative Colour Finishes for Room Enclosures (using high tech painting technique);

Chrome - Aluminium - Gold - etc...



WP1



WP2



WP3



WP4



GW24203

SCI (UK) Ltd. Manx House, Bousley Rise, Ottershaw, Surrey, KT16 0JX, England.

Tel / Fax: +44 (0) 1932 875227 & 5, E mail: info@sciuk.co.uk, Web-site: www.sciuk.co.uk



Series CEM24...

Series CEM24... “Voice” Communication Remote Telephone Controller- Demo. Details

**For a Real-Time Demonstration
Dial 001 877 662-0660
& follow instructions below.**

- After 4 rings you will hear “hello it’s your thermostat, please enter your password”.
- Press the following keys **1 2 3 4 #**
- The thermostat will then say “Temperature in the room is XX deg . Mode is ---, ---System is ON”
or
- System is “OFF” --- Mode is now Economy Mode”

You will then be requested to “Please enter your desired command”

The commands available are as follows and after you have entered the specific command and confirmed your action (by pressing the # key) you can go on to another command finally going to command *** 9 #** to end the session:

- Press; *** 1 #** - to turn System ON.
- Press; *** 2 #** - to turn System OFF.
- Press; *** 3 #** - to select Cooling Temperature - to enter new value e.g. **72 #** (UK will be °C)
- Press; *** 4 #** - to select Heating Temperature - to enter new value e.g. **70#** (“ “)
- Press; *** 5 #** - to select System Mode:
 - Press; **1 #** - selects AUTO HEAT/COOL
 - Press; **2 #** - selects FAN ONLY
 - Press; **3 #** - selects COOLING ONLY
 - Press; **4 #** - selects HEAT ONLY
- Press; *** 6 #** - to select Programme ON /OFF
 - Press; **1 #** - PROGRAM ON
 - Press; **2 #** - PROGRAMME OFF
- Press; *** 7 #** - to select Economy Mode:
 - Press; **1 #** - System in ECONOMY SETBACK MODE
 - Press; **2 #** - System in COMFORT MODE.
- Press; *** 9 #** - at end of session in order to save your changes.
Then hang up to end the call.

See Page 11A for details of the CEM24SUPER Controller.



Unique, Single-Probe, Multi-Sensing, Display Analyser for A/C – H&V Plant

Measures & Computes Airside;

- Dry & Wet Bulb Temp.
- Humidity
- Velocity
- Volume
- Power kW/BTU/hr

Ideal for test, evaluation, commissioning, maintenance & energy audit work.

Features;

- Lightweight
- Large, Clear LCD complete with cursors to simplify operation.
- Select Metric or Imperial units.
- For use on Rectangular & Circular Outlets.
- Capability to analyses Multi-Outlet Systems.
- Microprocessor Technology.
- All Sensors housed in one probe.
- Excellent Accuracy.
- Low Capital Cost.

Specifications

<u>Temp. Sensor.</u>	<u>Humidity Sensor.</u>	<u>Velocity sensor.</u>	<u>Dims.,Weights etc.</u>
Thermistor	Electronic resistive	Vane	198 x 90 x 40 mm.
Range; -5/+65°C 23/149°F	Range; 10/95% Rh.	Range; 0.3/15m/sec. 1/49 ft/sec.	Probe 76mm. dia. Weight; 260 grams.
Acc; +/-1°C	Acc; +/-3% Rh.	Acc; +/- 3%	
Res. 0.6°C	Res. 0.4% Rh	Res.0.1 m/sec.	Battery; 9 Vdc

Model Selection

Model	Temp. °C/ °F	Hum. Rh	Velocity m/sec- Ft/sec	Volume Cu.m/sec. C.f.m.	Power kW BTU/hr.
M4000MD	X	X	X	X	X
E3000	X	-	X	X	-



PART No.	Page No	PART No.	Page No	PART No.	Page No	PART No.	Page No
Numerical		E Contd:		I		M Contd:	
2000-... Series	15	ETN24AZC	A7	IRP/401	A7	MWPT-... Series	14
2-5000-... Series	15	ETN24P-... Series	9	IRP/1	18	MZ-500	A5
3F-& 3G-... Series	11	ETN24PM-... Series	9	IRR	18	MZ-500master	A5
984-... Series	15	ETN24PMW... Series	9	J		N	
A		ETNSUPER-	6	JP500	A5	NN26-0.7	15
ALFA-5	16	PROG-ST/ST		K		No. 25	15
B		ETN24SUPER-	6	KPSNSC-... Series	14/16	O	
BMS	15/17	PROG-USA		M		OAS01	18
C		ETN24SUPER-SH	5	M10-... Series	15/17	P	
CBT24HC11	2	ETN24SUPER-SI	5	M1ERHR3	17	PS102H	12
CEM24SUPER	A11	ETN-24xxx-CP	A8	M1HP	17	PS1600	A4
CEV24SUPER	A11	ETN-24xxx-P	A8	M1HT-... Series	17	PS1700-FC-SUPER	A4
CHU24HC22	12	ETN40PI	A7	M2007/E	A6	PS1800-AC-SUPER	A4
CO2	15/17	ETN41-P-IR	A6	M2V-... Series	11	PS2007/E/P	A6
CTR24SUPER	6	ETN-B-24-227V	A8	M3EHR7.5	17	PS201P	A7
D		ETN-C-24-... Series	A4	M3V-... Series	11	PS201P/P01	A7
DA10/401	A6	ETN-J-24-227V	A8	M400MD	20	PS220-8Z-FL	A12
DA10/T/24/3Wire	A7	ETN-M-24-227V	A8	M4450A1009	11	PS24	6/9
DA10-24-3W	A5	F		M5001-... Series	12	PS50x-... Series	9
DA6/401	A6	FMH-12-... Series	9	M5002-... Series	12	PSGAQ	13
DA6/T/24/3Wire	A7	FMH100-... Series	3	M6	15/17	PS-M502	A5
DA6-24-3W	A5	FMH-1700	A4	M6000-... Series	4	PSRFT	A10
DA8/401	A6	FMH-1800	A4	M691-... Series	14	PSSPL	A10
DA8/T/24/3Wire	A7	FMH220-... Series	1	M6EHR18	17	PS-X500-... Series	A1
DA8-24-3W	A5	FMH24-... Series	5	M-700Pa	15	R	
DAN-... Series	11	FMH24P-... Series	9	M7410C1007	11	RFT1	A10
DAS-... Series	11	FMH24PM-... Series	9	M7410E1002	11	RFT2200	A10
DMN-... Series	11	FMH24PWM.. Series	9	M8450A1000	11	RIGA	A4
DMS-... Series	11	FMH40PI	A7	M930-80-... Series	15	RS01	18
DT01	18	FMH41-P-IR	A6	MA-... Series	8	RS02	18
DT02	18	FMH-C-220-... Series	A4	MAC1-... Series	17	RS03	18
E		FMHFCSUPER	1	MAC3-... Series	17	RTO-... Series	18
E3000	20	FMT-1700	10	MAXI-NET-	A4	RT40	A7
ECx-D-... Series	7	FMT-1800	10	SOFTWARE		RT41	A6
EPS-... Series	1	FMT24-PROG Series	10	MBRC	7	S	
EP4-... Series	1	FMT24-... Series	10	MCU	A4	S4007	A10
EP6-... Series	1	FMT2500-... Series	10	MDF113	14	SPL2200	A10
ERHU50	12	FMTAZC	10	MDS-... Series	14	T	
ERT200-... Series	2	FMTZ	10	MEBS-... Series	7	TED24A-... Series	A7
ERT2000-... Series	3	FSC-3	16	MEC-... Series	7	TRAN-5VA	A7
ERT2124-... Series	6	FSC-6	16	MEE-... Series	7	TS01	18
ERT2200/DAI	4	FSC-6/V	13	MEF-... Series	7	V	
ERT24SUPER	5	G		MEOF1	7	V5822A-... Series	11
ERT50 ...91-... Series	2	GAQ/D	13/18	M1GAETN	A9	V5823A-... Series	11
ETN1000-... Series	3	GAQ/R	13/18	MIGA FMH	A9	V5823C-... Series	11
ETN12-... Series	9	G-AQ12	13/18	MIP	18	W	
ETN-8Z-FL	A12	G-AQ24	13/18	MJSFX	14	WP-... Series	18
ETN-1700	A4	GHU/D	12/18	MM-80	15		
ETN-1700-IR	A4	GHU/R	12/18	MMK-... Series	11		
ETN-1800	A4	GT100-... Series	8	MMKDN-... Series	11		
ERT-1800	A4	GT200-... Series	8	MTA	7		
ETN-1800-IR	A4	GW24203	18	MURI	16		

Controls & Control Systems

For;

Smart Homes

Refrigeration

Air Conditioning

Energy Management

Heating & Ventilation

Building Management Systems

& Allied Industries

Presented By:



SCI (UK) Ltd.

Manx House, Bousley Rise,

Ottershaw, Surrey, KT16 0JX.

Tel./Fax: +44 (0) 1932875227 &5

E mail;info@sciuk.co.uk, Web; www.sciuk.co.uk